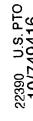
1



TRANSMITTAL FOR U.S. PATENT APPLICATION UNDER 37 CFR §1.53(b)

MAIL STOP: PATENT APPLICATION Commissioner For Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Attorney Docket No. TI-37082 (032350.B577) Express Mail Certificate No. EV 323451032 US

This Application claims the benefit, under 35 U.S.C. § 119(e), of U.S. Provisional Application No. 60/486.663, filed July 11, 2003.

11pp neutron 1(0, 00, 100,000, 11eu out, 11, 2000)						
Sir:						
Tra	nsmitted herewith for filing is the original patent application of:					
Inventors:	Kendall S. Wills et al.					
Filing Date	December 31, 2003					
For:	Wavelet Analysis of One or More Time Domain Reflectometry (TDR) Signals to Determine One or More Characteristics of One or More Anomalies in a Wire					
Enclosed a	re:					
_X Sp	ecification, Claims and Abstract (20 pages);					
_XDr	awing(s) 1 Total Sheet(s) of X Formal Informal;					
	mbined Declaration and Power of Attorney (2 pages) Newly executed (original or copy);					
sep cha	An Assignment (2 pages) of the invention to Texas Instruments Incorporated is attached. Assignment (2 pages) in compliance with 37 C.F.R. §§ 3.28, .31 is included. Pleas charge the assignment recordal fee of \$40.00 pursuant to 37 C.F.R. § 1.21(h) to Depos Account No. 20-0668 of Texas Instruments Incorporated;					
_X Ce	rtificate of Mailing (1 Page);					
_X Te	xas Instruments Incorporated Return Receipt Postcard (1);					
_X Ba	Baker Botts L.L.P. Return Receipt Postcard (1);					
X Th	is Transmittal (2 pages).					

2

Applic	cant is:		
<u>X</u>	_ Large Entity _ Small Entity		
The ac	companying appli	ication is:	
X	_ Original.		
	Continuation	_ Divisional	_ Continuation-In-Part (CIP) of prior application No.
		which is hereby	incorporated by reference therein.

	FEE				
	Number		Number Extra	Rate	Basic Fee \$ 770.00
Total Claims	16	- 20	0	X \$18.00 =	00.00
Independent Claims	5	-3	2	X \$86.00 =	172.00
	\$ 942.00				

X Please charge the filing fee of \$942.00 and any other fee required by this paper and credit any overpayment to Deposit Account No. 20-0668 of TEXAS INSTRUMENTS INCORPORATED. This document is being transmitted in duplicate.

BAKER BOTTS L.L.P. Attorneys for Applicant

Christopher W. Kennerly Registration No. 40,675

Date: December 31, 2003

Correspondence Address:

X Customer Number 2

23494

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kendall S. Wills et al.

Filing Date:

December 31, 2003

Title:

Wavelet Analysis of One or More Time Domain Reflectometry

(TDR) Signals to Determine One or More Characteristics of

One or More Anomalies in a Wire

Mail Stop: Patent Application Commissioner For Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Filing Fee Transmittal (2 pages), Patent Application (20 pages), Formal Drawings (1 sheet), Declaration and Power of Attorney (2 pages), Assignment of the inventors to Texas Instruments Incorporated (2 pages), separate Assignment Recordation coversheet (2 pages) corporated return receipt postcard (1 card), and this Certificate of Mailing are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 31st day of December, 2003 and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Willie Iiles

Express Mail Receipt No. EV 323451032 US